

Amendments to the Claims

This listing of claims will replace all prior version, and listings, of claims in the application.

1. (Currently Amended) A system for transmitting a web page to a client device, comprising: An apparatus including
~~a client device, including a means for making a request to a remote server;~~
~~a proxy encoder, including software for identifying and manipulating template information and sub-template information;~~
~~a memory coupled to said proxy encoder, said memory including said template information, and said sub-template information, and~~ delta information, the template information comprising seldom changing elements of a web page and the sub-template information comprising information that changes less frequently than delta information and elements of a web page that are shared by several templates; and
a software module programmed to (i) retrieve template information, sub-template information, and delta information from the memory based on a request for information from the ~~a communication network coupled to said client device and~~ (ii) respond to the request by sending to the client device the template information, sub-template information and delta information as an assembled web page ~~said proxy encoder.~~
2. (Currently Amended) The system of ~~An apparatus as in claim 1~~ wherein the memory is in a server other than an originating server that is the original provider of the information requested by the client device and the software module is within a proxy encoder server that is programmed to intercept, ~~including a decoder, wherein said decoder includes a means for intercepting said requests for information from the client device that are intended for the originating server.~~

3. (Currently Amended) The system of An apparatus as in claim 2[,] wherein the software module in the proxy encoder server is programmed to retrieve the template information and sub-template information from memory in a content delivery network, the content delivery network comprising a set of mirroring servers situated in different locations throughout a communication network and one or more of the mirroring servers may be positioned more locally to the client device, each mirroring server includes most of information likely to be requested by the client device that is included in the originating server ~~said decoder includes a means for decompressing responses to said requests and integrating said responses to said requests.~~
4. (Currently Amended) The system of An apparatus as in claim 2[,] wherein the software module in the proxy encoder server is further programmed to (i) identify template information, sub-template information and delta information in a web page and (ii) store such identified information in the memory ~~said decoder is coupled to said client device.~~
5. (Currently Amended) The system of An apparatus as in claim 2[,] wherein the software module in the proxy encoder server is further programmed to (i) tag the template information so as to identify a version of the template information and (ii) tag the sub-template information so as to identify a version of the sub-template information ~~said decoder is coupled to a network element local to said client device, where said network element includes one of the following: web browser, a firewall, a router or a proxy cache.~~
6. (Currently Amended) The system of An apparatus as in claim 1 further comprising a , wherein said proxy encoder includes software module programmed to (i) compress template information, (ii) compress the sub-template information, and (iii) cache the compressed template information in the memory in a memory address location different from the compressed sub-template information ~~for data compression.~~

7. (Currently Amended) The system of An apparatus as in claim 1[,] wherein the template information is embedded with place markers that define a location for insertion of sub-template information and delta information in the template information when assembling a web page ~~said proxy encoder includes software for comparing said templates and sub-templates in said memory with other information obtained from said remote server.~~
8. (Currently Amended) The system of An apparatus as in claim 1[,] further including a decoder coupled to a user's browser in the client device that integrates the template information, sub-template information and delta information into a display for presentation to the user in the user's browser as the assembled web page.
~~a means for distinguishing between those documents that are sent more efficiently using templates and sub-templates from those documents that are sent more efficiently without the use of sub-templates;~~
~~a means for managing a hierarchy of sub-templates; and~~
~~a means for assembling templates and sub-templates.~~
9. (Currently Amended) A method for transmitting a web page to a client device, comprising steps of: including identifying template information, sub-template information, and delta information based on redirecting a request for information from the [a] client device, the to a proxy server, said proxy server including a memory comprised of template information comprising seldom changing elements of a web page and the sub-template information comprising information that changes less frequently than delta information and elements of a web page that are shared by several templates;
~~comparing information included in said memory with other information from a remote server;~~

retrieving the template information, sub-template information, and delta information from a location other than an originating server that is the original provider of information requested by the client device; and responding to the said request by sending to the client device the template information, sub-template information and delta information as an assembled web page.

10. (Currently Amended) The [A] method of [as in] claim 9, wherein said further comprising a step of redirecting the request from the client device to a proxy encoder server and subsequently performing the identifying, retrieving, and responding steps at the proxy encoder server is performed by a decoder coupled to a user's browser.
11. (Currently Amended) The [A] method of [as in] claim 9[,] wherein the said step of redirecting step is performed by a decoder coupled to a user's browser in the client device remote server.
12. (Currently Amended) The [A] method of [as in] claim 10 [9,] wherein the retrieving said step comprises retrieving the template information and sub-template information from a content delivery network, the content delivery network comprising a set of mirroring servers situated in different locations throughout a communication network and one or more of the mirroring servers may be positioned more locally to the client device, each mirroring server includes most of information likely to be requested by the client device that is included in the originating server of comparing is performed by a proxy encoder.
13. (Currently Amended) The [A] method of [as in] claim 9[,] wherein the identifying said-step of comparing information includes tagging the said template information so as to identify a version of the said template information, subsequently the identified version of the template information is retrieved and sent to the client device in the retrieving and responding steps, respectively.

14. (Currently Amended) The [A] method of [as in] claim 9[,] wherein the identifying said-step of comparing information includes tagging the said sub-template information so as to identify a version of the said sub-template information, subsequently the identified version of the sub-template information is retrieved and sent to the client device in the retrieving and responding steps, respectively.
15. (Currently Amended) The [A] method of [as in] claim 9[,] wherein the identifying said step comprises of comparing includes identifying a set of delta information that is relatively ephemeral information.
16. (Currently Amended) The [A] method of [as in] claim 9 further comprising ,also including a step of compressing and caching the said template information, and the retrieving step comprising retrieving and uncompressing the compressed, cached template information.
17. (Currently Amended) The [A] method of [as in] claim 9 further comprising ,also including a step of compressing and caching the said sub-template information, and the retrieving step comprising retrieving and uncompressing the compressed, cached sub-template information.
18. (Canceled)
19. (Currently Amended) The [A] method of [as in] claim 9 wherein the, including a step of integrating said template information is embedded with place markers that define a location for insertion of, said sub-template information and said delta information in the template information when assembling a web page while performing the responding step.
20. (Canceled)

21. (Currently Amended) The [A] method of [as in] claim 10 [19,] wherein the responding said step comprises of integrating the template information, sub-template information and delta information at the ~~is performed by said proxy encoder~~ into the assembled web page.
22. (Currently Amended) The [A] method of [as in] claim 9 [19,] wherein the responding said step comprises of integrating the template information, sub-template information and delta information in a ~~is performed by said decoder coupled to a user's browser in the client device into a display for presentation to the user in the user's browser as the assembled web page.~~
23. (Canceled)
24. (Canceled)